

**MAINTENANCE AND MATERIAL MANAGEMENT (3-M)
MANUAL**

CHAPTER 12

**REPORTS AND SERVICES AVAILABLE FROM THE
NAVAL SEA LOGISTICS CENTER (NAVSEALOGCEN)**

CHAPTER 12

REFERENCES

<u>REFERENCE</u>	<u>INSTRUCTION</u>	<u>SUBJECT</u>
------------------	--------------------	----------------

None.	No instructions referenced in Chapter 12.	
-------	---	--

CHAPTER 12

REPORTS AND SERVICES AVAILABLE FROM THE NAVAL SEA LOGISTICS CENTER (NAVSEALOGCEN)

TABLE OF CONTENTS

Paragraph	Title	Page
12-1	3-M SYSTEM DATABASE	12-1
12-2	DATA COLLECTED	12-1
12-3	USES OF THE DATA	12-1
12-4	MAJOR DATA ELEMENTS AVAILABLE IN THE 3-M SYSTEM . . .	12-2
12-5	SHIPS' 3-M ON-LINE SYSTEM	12-2
12-6	ON-LINE SYSTEMS TRAINING COURSE	12-3
12-7	REPORT PRODUCTS	12-3
12-8	OTHER PRODUCTS	12-4
12-9	REQUESTING 3-M SYSTEM DATA	12-4
12-10	MAILING AND TELEPHONE INFORMATION	12-6

LIST OF FIGURES

Figure	Title	Page
12-1	Ships' 3-M Data Request Form	12-5

CHAPTER 12

REPORTS AND SERVICES AVAILABLE FROM THE NAVAL SEA LOGISTICS CENTER (NAVSEALOGCEN)

12-1 3-M SYSTEM DATABASE

The ships' maintenance information is reported by fleet personnel to the Naval Sea Logistics Center (NAVSEALOGCEN), Mechanicsburg, PA, for processing into the Ships' Maintenance and Material Management (3-M) System Database.

The database provides a single source of 3-M maintenance data for reports sent to ships, various Navy management levels and authorized contractors. Direct liaison is encouraged between requesters and NAVSEALOGCEN to discuss data requirements.

12-2 DATA COLLECTED

a. Maintenance data reported and retained in the 3-M system database includes:

- Completed maintenance
- Deferred maintenance
- Work requests from the ships to the Intermediate Maintenance Activities (IMAs) or depots
- Repair parts
- Configuration data
- Intermediate Maintenance Activity data from:
 - Tenders
 - Repair shops
 - Type Commander (TYCOM) Support Units
 - Shore Intermediate Maintenance Activities (SIMAs)
- Decommissioned ships histories
- Reactivated ships CSMPs

It must be recognized that the integrity of the database is relevant only to the accuracy of the data reported.

b. The Ships' 3-M Data System Users' Manual (NAVSEA SL790-AB-URM-010/3-M), available from NAVSEALOGCEN, displays some of the products having wide application. Potential users of ships' maintenance data should contact NAVSEALOGCEN for assistance if a desired product format is not listed in the Ships' 3-M Data System Users' Manual. NAVSEALOGCEN has the capability to develop new reports to meet the user's requirements.

12-3 USES OF THE DATA

Information available from the 3-M Maintenance Data System can be of value in:

7 November 1994

- a. Scoping and quantifying data for engineering and logistics analyses.
- b. Providing management resource information to higher authority to support the decision making process.
- c. Planning and allocating resources for logistics support.
- d. Analyzing maintenance/reliability problems.
- e. Determining adequacy of equipment specifications.
- f. Analyzing life cycle and other costs.
- g. Determining equipment effectiveness.
- h. Preparing and/or updating technical manuals/directives.
- i. Providing work center equipment maintenance history.
- j. Providing data assist provisioning.
- k. Overhaul planning.
- l. Analyzing repair parts usage.
- m. Updating allowance lists and the Coordinated Shipboard Allowance List (COSAL).
- n. Providing data for ship design.
- o. Shipboard management including determination of problem equipment and providing data for availabilities and overhauls.
- p. Analyzing part failures.

12-4 MAJOR DATA ELEMENTS AVAILABLE IN THE 3-M SYSTEM

The key data elements (used to extract 3-M MDS data from the database) are the Unit Identification Code (UIC), Equipment Identification Code (EIC), and Allowance Parts List (APL) number. Most of the other MDS data elements which are stored in the database are listed and defined in the Ships' 3-M Data System Users' Manual. The OPNAV 4790/2K, OPNAV 4790/CK, DD 1348 and NAVSUP 1250-1 Forms and 3-M ADP programs are used to report these data elements. Desired data elements can be extracted when required for utilization by the users.

12-5 SHIPS' 3-M ON-LINE SYSTEM

The Ships' 3-M On-line database is a historical repository of corrective maintenance actions covering a 5-year period. It contains maintenance, supply and IMA data and allows the user to select, sort and/or process data as well as create reports. It provides the tools to collect and analyze maintenance data. It

provides the means to plan, acquire, organize, direct, control and evaluate manpower and material resources in support of maintenance. The Ships' 3-M On-line database is used to predict failure rates of components, determine areas that need improvement and track equipment performance. The primary users of 3-M are Program and Equipment Managers at NAVSEASYSKOM, In-Service Engineering Activities, TYCOMS, Ships, NAVSUPSYSKOM and government sponsored contractors. Access to 3-M data allows the user to research equipment history, perform trend analysis and provide a tool to the fleet which can provide information concerning fleet maintenance and maintenance support experience to organizations responsible for logistics support to the fleet. On-line access is available through NAVSEALOGCEN.

12-6 ON-LINE SYSTEMS TRAINING COURSE

The Ships' 3-M On-Line System Training Course is a 2 or 3 day program designed to introduce and train individuals on the usage of the 3-M on-line database system. Course topic areas include On-line Usage and Engineering Analysis of the Data. The course consists of instruction and hands-on lab time. Course completion provides the individual with enough knowledge to retrieve the data necessary for their specific functions. The primary target audience for this course are military and civilian, equipment life cycle managers, system managers and engineers with a need to work with Ships' 3-M data. The course is sponsored by NAVSEASYSKOM (SEA 04) and is conducted by NAVSEALOGCEN.

12-7 REPORT PRODUCTS

The reports listed below are a partial sampling provided in the Ships' 3-M Data System Users' Manual. The manual contains detailed explanation of reports that can be obtained from NAVSEALOGCEN. It should be utilized when requesting reports.

- 4790.S1015 - DART Tracking (On-line)
- 4790.S1046 - Parts Issued For Maintenance (On-line)
- 4790.S1711 - High Failure Equipment (On-line)
- 4790.S1763 - Fuel And Steaming Report (On-line)
- 4790.S2563 - Fuel And Steaming Tape (On-line)
- 4790.S5000 - Ships Maintenance Activity (Batch and On-line)
- 4790.S5007 - 3-M/Steaming Hours Data (Batch)
- 4790.S5019 - Ships 3-M History (Batch and On-line)
- 4790.S5046 - Parts Used For Maintenance (Batch)
- 4790.S5595 - Manhour Expenditure By Ship Hull And Work Center (Batch)
- 4790.S5663 - Parts Data For Supply Source Codes (Batch and On-line)
- 4790.S5704 - Material History (Batch and On-line)
- 4790.S5763 - Steaming Operation and Fuel Listing (Batch)
- 4790.S6000 - Net, Gross And COSAL Effectiveness (Batch)
- 4790.S6015 - DART (Detection, Action and Response Technique Tracking (Batch)
- 4790.S6271 - Parts Report (Batch)

7 November 1994

12-8 OTHER PRODUCTS

The Ships' 3-M Department of NAVSEALOGCEN also provides the "Ships' 3-M Reference Compact Disc" and the "APL Research Tool". The Ships' 3-M Reference CD contains many of the reference files used daily. It has current information about Navy equipment and ships. The Reference CD contains the following databases: (1) Ship Information/Steaming Hours, (2) Service Application Code (SAC), (3) Equipment Identification Code (EIC), (4) Allowance Parts List (APL), and (5) Expanded Ship Work Breakdown Structure (ESWBS). The APL Research Tool contains Allowance Parts List (APL) numbers, a PEETE index for identifying SCAT coded portable electrical/electronic test equipment and the Selected Equipment List. These products are updated and distributed quarterly to Navy activities that subscribe.

12-9 REQUESTING 3-M SYSTEM DATA

Reports can be requested by letter, naval message, telephone, or modem access. For letter requests, a "Ships' 3-M Data Request Form" as shown in Figure 12-1 should be utilized. Blank request forms are contained in the Ships' 3-M Data System Users' Manual. Message and telephone requests should include the same information as letter requests.

a. Requests from naval activities may be submitted by letter, message or telephone directly to NAVSEALOGCEN unless otherwise directed by the requesting activity's chain of command. Letter requests, using the format shown in Figure 12-1, are recommended in order to facilitate processing. One Data Request Form must be completed for each NAVSEALOGCEN "Standard" report or data product that requires a different set of entries in the PARAMETER and PARAMETER VALUES blocks. The following information is to be entered on the Request Form:

- (1) Name and mailing address of the activity requesting report.
- (2) Name of person to be contacted if additional information is needed.
- (3) Date of request.
- (4) Telephone number of the point of contact.
- (5) If a quick turn-around is needed, check the "Urgent" block and indicate reason in the "Remarks" section.
- (6) Enter the NAVSEALOGCEN assigned number of the standard report, series, and/or option desired.
- (7) Enter the date range the report is to cover.

(8) Indicate the parameter(s) and value(s) of the data to be included in this report as applicable. Parameters include ship type and hull number (ST/HNR), unit identification code (UIC), equipment identification code (EIC), allowance parts list (APL), work center (W/C), and component serial number "SN".

(9) Enter additional information that is required in the "Other" section of the form (such as weighing or other limiting factors).

(10) Enter the number of copies required.

(11) Check the type of output/format required. Reports are available in print, magnetic tape/cartridge, or other. If other is selected, please explain in the remarks section (e.g. diskettes, electronic bulletin board, etc.).

(12) All requests will be sent to the requesting activity's address by regular mail unless the mail delivery type is indicated and/or another address is provided.

(13) All requests should state the purpose(s) for which the reports are required and the benefits expected from their use.

b. Requests from contractors must be endorsed by their sponsoring Navy activity. These requests should include the Navy contract number, and a statement of the contractor's need for the data.

12-10 MAILING AND TELEPHONE INFORMATION

Naval Sea Logistics Center
(Attn: Ships' 3-M Department)
5450 Carlisle Pike
P.O. Box 2060
Mechanicsburg, Pa 17055-0795

Telephone:

Commercial: (717) 790-2043 Autovon/DSN: 430-2043
FAX: Comm: (717) 790-2915 Autovon/DSN: 430-2915